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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/276,273	03/25/1999	TYLER LOWREY	2024.17 1882	
24963	7590 06/30/2004		EXAMINER	
	ONVERSION DEVIC	CAO, PHAT X		
	VIEW DRIVE HILLS, MI 48309		ART UNIT PAPER NUMBER 2814	
	•			
			DATE MAILED: 06/30/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	20			
Advisory Action	09/276,273	LOWREY ET AL.				
, <b>, , , , , , , , , , , , , , , , , , </b>	Examin r	Art Unit				
	Phat X. Cao	2814				
The MAILING DATE of this communication appe	ars on the cov r she t with the c	orrespondence addi	ss			
HE REPLY FILED 13 June 2004 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE. herefore, further action by the applicant is required to avoid abandonment of this application. A proper reply to a nal rejection under 37 CFR 1.113 may only be either: (1) a timely filed amendment which places the application in ondition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued xamination (RCE) in compliance with 37 CFR 1.114.						
PERIOD FOR REPLY [check either a) or b)]						
a) The period for reply expiresmonths from the mailing date of the final rejection. b) The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection. ONLY CHECK THIS BOX WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).						
Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 67 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any parened patent term adjustment. See 37 CFR 1.704(b).						
1. A Notice of Appeal was filed on Appellant's Brief must be filed within the period set forth in 37 CFR 1.192(a), or any extension thereof (37 CFR 1.191(d)), to avoid dismissal of the appeal.						
2. The proposed amendment(s) will not be entered be	ecause:					
(a) ☐ they raise new issues that would require further consideration and/or search (see NOTE below);						
(b) ☐ they raise the issue of new matter (see Note below);						
(c) they are not deemed to place the application i issues for appeal; and/or	in better form for appeal by mat	erially reducing or s	implifying the			
(d) they present additional claims without cancel NOTE:	ing a corresponding number of	finally rejected clair	ns.			
3. Applicant's reply has overcome the following reject	etion(s):					
<ol> <li>Newly proposed or amended claim(s) would canceling the non-allowable claim(s).</li> </ol>	be allowable if submitted in a s	eparate, timely filed	d amendment			
5. ☐ The a) ☐ affidavit, b) ☐ exhibit, or c) ☐ request fo application in condition for allowance because: se		sidered but does NC	OT place the			
6. The affidavit or exhibit will NOT be considered becaused by the Examiner in the final rejection.	cause it is not directed SOLELY	to issues which we	re newly			
7. For purposes of Appeal, the proposed amendment explanation of how the new or amended claims we			and an			
The status of the claim(s) is (or will be) as follows:						
Claim(s) allowed:						
Claim(s) objected to:						
Claim(s) rejected: 258-268.						
Claim(s) withdrawn from consideration:						
8. $\square$ The drawing correction filed on is a) $\square$ app	roved or b) disapproved by	the Examiner.	•			
9. Note the attached Information Disclosure Stateme	nt(s)( PTO-1449) Paper No(s).					
10. ☐ Other:						

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Application/Control Number: 09/276,273

Art Unit: 2814

**ADVISORY ACTION** 

Claims 1-257 and 269-275 are cancelled.

Regarding claims 258-268, Applicant argues that it is not obvious to combine the references because Tanahashi provides no teaching or suggestion of using the contact structure as a contact structure for providing an electrical pathway to a programmable resistance memory material.

This argument is not persuasive because as clearly suggested by Tanahashi, the using of the contact structure 53 shown in figure 3C would provide a semiconductor device with reduced contact resistance (column 3, lines 62-65). Therefore, it would have been obvious to combine the references as suggested. It should be noted that the reason or motivation to modify the reference may often suggest what the inventor has done, but for a different purpose or to solve a different problem. It is not necessary that the prior art suggest the combination to achieve the same advantage or result discovered by applicant. In re Linter, 458 F. 2d 1013, 173 USPQ 560 (CCPA 1972).

Regarding claim 261, Gonzalez does teach the hole may be replaced by a trench 24 (see Fig. 4 and column 6, lines 55-57).

Regarding claim 260, Gonzalez further teaches the forming of the conductive material 38 (see Fig. 6) over a portion of the bottom surface of the opening 16 (see Fig. 2).

PC

June 28, 2004

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PRIMARY EXAMINER